Rebuild Kit Instructions

2–WAY INTERNAL PILOT–OPERATED SOLENOID VALVE
NORMALLY CLOSED OPERATION — STEAM SERVICE
1 NPT — 1″ORIFICE

REBUILD KIT No. 67710 & 61301601744

Form No.V7432

NOTICE: See separate solenoid installation and maintenance instructions for information on: Wiring, Solenoid Temperature, Cause of Improper Operation and Coil Replacement.

MAINTENANCE

⚠ WARNING: To prevent the possibility of death, serious injury or property damage, turn off electrical power, depressurize valve, and vent fluid to a safe area before servicing the valve.

Note: It is not necessary to remove the valve from the pipeline for repairs.

INSTALLATION OF REBUILD KIT

Valve Disassembly (Refer to Figure 1.)

1. Disassemble valve in an orderly fashion using exploded view for identification and placement of parts.
2. Remove solenoid. See separate instructions.
3. Unscrew solenoid base sub–assembly from valve bonnet.
4. Remove spring retainer and core spring from top of core.
5. Remove bonnet screws, valve bonnet, solenoid base gasket, core/diaphragm sub–assembly, body passage gasket, body passage eyelet and body gasket.
6. Unscrew end cap from valve body and remove end cap gasket.
7. All parts are now accessible for cleaning or replacement. If parts are worn or damaged, install a complete rebuild kit.

⚠ CAUTION: To ensure proper valve operation, install all parts supplied in rebuild kit. Do not mix old and new parts.

Valve Reassembly

1. Reassemble valve using exploded view for identification and placement parts.
2. Lubricate all gaskets with DOW CORNING® 200 Fluid lubricant or an equivalent high–grade silicone fluid.
3. Lubricate the disc at the base of the core/diaphragm sub–assembly with DOW CORNING 111® Compound lubricant or an equivalent high–grade silicone grease.
4. Reinstall end cap gasket in valve body. Then hand thread end cap into valve body as far as possible and torque to 175 ± 25 in–lbs [19,8 ± 2,8 Nm].
5. Position body gasket, body passage gasket and body passage eyelet in valve body.
6. Replace core/diaphragm sub–assembly in valve body.
7. Replace valve bonnet and bonnet screws. Hand tighten bonnet screws as far as possible. Then press firmly down on core/diaphragm sub–assembly to seat diaphragm assembly against valve seat. While holding this position, torque bonnet screws in a crisscross manner to 144 ± 15 in–lbs [16,3 ± 1,7 Nm].
8. Install core spring into top of core. Install small end of core spring in core first, wide end protrudes from top of core.
9. Position spring retainer over core spring.
10. Replace solenoid base gasket and solenoid base sub–assembly. Hand thread solenoid base sub–assembly into valve body, then torque to 175 ± 25 in–lbs [19,8 ± 2,8 Nm].
11. Install solenoid. See separate instructions.

⚠ WARNING: To prevent the possibility of death, serious injury or property damage, check valve for proper operation before returning to service. Also perform internal seat and external leakage tests with a nonhazardous, noncombustible fluid.

12. Restore line pressure and electrical power supply to valve.
13. After maintenance is completed, operate the valve a few times to be sure of proper operation. A metallic *click* indicates the solenoid is operating.

ORDERING INFORMATION FOR REBUILD KITS

Parts marked with an asterisk (*) in the exploded view are supplied in Rebuild Kits. When Ordering Rebuild Kits for valves, order the Rebuild Kit number stamped on the valve nameplate. If the number of the kit is not visible, order by indicating the number of kits required, and the Catalog Number and Serial Number of the valve(s) for which they are intended.

1777 East Henrietta Road, Rochester New York 14623–3133 Tel:716–475–1400 Fax:716–272–5297

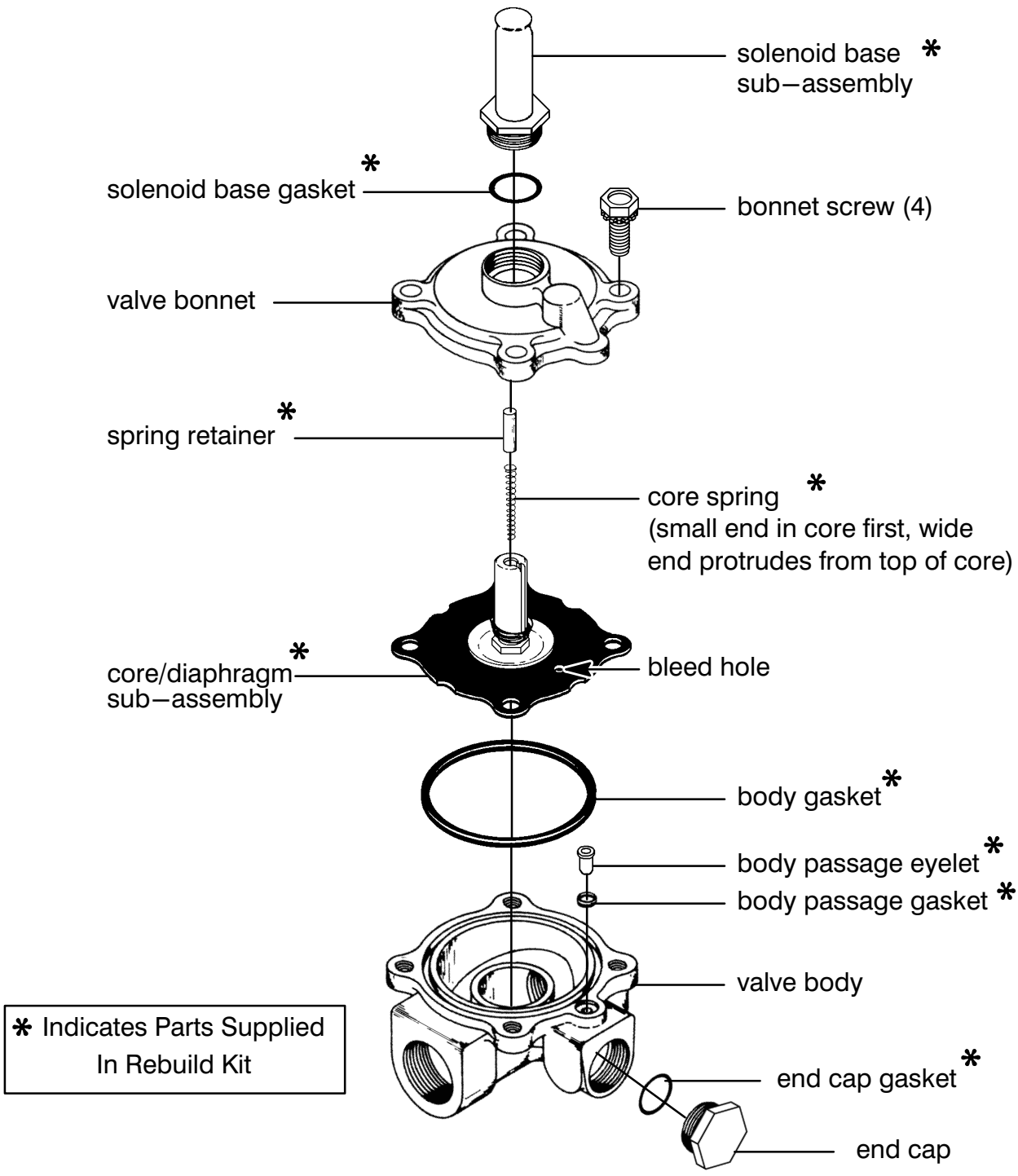

Figure 1. Valve without solenoid.

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